



CHARLES FRAZIER AND HIS WIFE, MARGARET, PROUDLY VIEW THEIR REMARKABLE tulips at the Wellington Circle home in the picture at the left. At right Mrs. Frazier proudly holds one of her unique African violet plants while some of the family's antiques are shown on the table.

Out-Of-State License Tag Warning Issued

Carbide employees in Y-12 and the other Oak Ridge units, and employees of the Atomic Energy Commission and contractors in the Oak Ridge area have been warned by the Tennessee Highway Patrol against the use of illegal out-of-state motor vehicle license tags.

Sgt. Dennis O. Trotter, of the Tennessee Highway Patrol stationed at Clinton, has stated that the patrol has noticed during the past several months that a large percentage of automobiles in and around Oak Ridge have out-of-state license tags while owners are maintaining residence and employment in Tennessee.

The sergeant points out that the state law requires non-residents of the state to register their vehicles in Tennessee within 30 days from date of entry if employment has been obtained or if residence has been established.

The officer warned that a road block method may be established to arrest violators of the license tag law. However, he said that every effort would be made to not inconvenience motorists whose automobiles have legal Tennessee tags if it proved necessary to use a road block.

Community Chorus To Give Final Concert Next Tuesday

The Oak Ridge Community Chorus, under direction of Daniel L. Bristow, will present its final concert of the season at 8:15 o'clock next Tuesday night, May 4, at the civic auditorium in the high school building. The theme of the concert will be "Choral Varieties." Oak Ridge Civic Music Association season tickets are good for the concert and tickets also may be purchased at the door.

Two Y-12ers are members of the Chorus group that will appear in the concert. They are Beatrice Cameron, alto; and R. D. Smith, bass. Both are in Bldg. 9212 Operations Division.

FEW KNOW A-SECRETS

A North American Newspaper Alliance story has noted that while the number of persons in the United States who know some atomic secrets probably totals more than 1,000,000 there are fewer than a dozen who know all atomic secrets.

Y-12er's Giant Parrot Tulips Attract City-Wide Attention

He's not sure whether it is "beginner's luck" or having suddenly acquired a "green thumb." However, Charles Frazier, of the Y-12 Alloy Division, has unwittingly attracted city-wide attention to his exotically beautiful bed of tulips at his 114 Wellington Circle home by the success of a gardening venture that included planting of a specie

new to East Tennessee. The results have been remarkable with many passers-by stopping to admire the giant blooms of several different colors gracing the yard.

Developed in Holland

The tulips grown by Frazier are known as the Parrot tulip. It was developed in Holland, the true home of the best of this specie of flower, by the internationally known horticulturist, Heinricker.

The Parrot tulip produces a giant bloom—Frazier had one that measured nine inches across and several others averaging more than six inches wide. The blooms have a crepe-like petal instead of the usually smooth tulip bloom. Colors of the plants grown by Frazier include red, purple, shell pink and yellow with a stripe of green.

Rabbit Nipped One Plant

Frazier admits he had good luck with the bulbs he planted last October. He placed 20 of them in the ground after ordering them from a New York firm. Of the 20, there were 19 that produced growing plants. Out of those 19, he has 18 left—the other plant providing a tasty meal for a hungry rabbit. However, the Parrot tulip has a comparatively short life—the blooms remaining alive only from 10 days to a maximum of two weeks.

Mrs. Margaret Frazier, the Y-12er's wife, also is a flower fancier and is a collector of African violets. She has many rare specimens on hand and is alert to acquire others as she hears of them. The violets are tastefully displayed as a background to a table decorated with attractive anique figurines and an old oil lamp converted to electricity.

Frazier is an old-time Oak Ridge, having lived here since 1944. He formerly was employed at K-25, coming to Y-12 in 1951.

ATOMIC BEER PROPOSED

The United Press recently reported that the University of Michigan is conducting a research program into the possibility of pasteurizing beer in cans almost instantly by using atomic radiation.

BOLOGNA SAUSAGE CUPS WITH POTATO SALAD TOPS SPECIAL LUNCH

The Thursday Special Lunch at the Y-12 Cafeteria tomorrow, Thursday, April 29, will have bologna sausage cups with potato salad as the entree. The 50-cent special lunch will include a vegetable, salad or dessert and rolls and butter.

Ohio State Chemist Will Address ACS Body

Dr. Earle R. Caley, of the Chemistry Department of Ohio State University will address the East Tennessee Section of the American Chemical Society at its meeting on next Monday night, May 3. The meeting will be held at Carson-Newman College, Jefferson City, and it is expected a large number of ACS members from Oak Ridge, including some Y-12ers, will attend the session.

Dr. Caley's lecture subject for the meeting will be "Some Relationships of Chemistry to Archaeology."

A dinner will precede the lecture. It will be held in the private dining room of the Baker Memorial Building at Carson-Newman College at 7:15 o'clock.

Football Coach To Address Clemson Alumni Meeting

Frank Howard, coach of the Clemson College football team, will speak at a meeting of the Alumni Association of the institution at a dinner meeting to be held at 7:30 o'clock Friday night, April 30, at the Park-Hotel in Clinton. Many former students of Clemson now employed at Y-12 are urged to attend the meeting. Coach Howard will show moving pictures of spring football practice at Clemson and discuss prospects for the coming season.

Y-12ers Get Good Start In 1954 Toward Topping 1953 Safety Mark

Lost Time Accidents Drop In First Quarter But Minor Injuries Show Substantial Gain

Safety-minded Y-12ers made an excellent start during the first three months of 1954 toward maintaining the plant reputation of being one of the safest places in which to work in the entire Carbide organization, according to statistics announced last week by the Safety Department. In the important category of lost time accidents, only two Y-12ers sustained disabling injuries during the first quarter of 1954 as against three in 1953. As a result the plant frequency rate, the number of disabling accidents per 1,000,000 hours of operation, was only .78 for the quarter as compared to 1.38 for the same period the previous year.

Must Report Minor Injuries

However, a definite increase was shown in the number of minor injuries listed during the first three months of 1954 over the figures for the first quarter of 1953. Minor injuries are listed as those requiring first aid at the Y-12 Dispensary but do not necessitate loss of time from work. Every Y-12er is required by plant procedure to immediately report any minor injury sustained and have it treated at the Medical Department.

The number of minor injuries reported during the first period of 1954 was 1,198 as against only 696 for the previous year. This is an increase of 72 per cent in number and 45 per cent in frequency for 1954 over 1953. The frequency rate for the two years was 464 and 321 respectively.

Harmful to Employees

This substantial increase in the number of minor injuries, if the trend is allowed to continue, could prove damaging not only to the plant record, but even more seriously, to the physical and economical health of the individual employees.

"Accidents don't just happen—they are caused" is an old safety phrase, and a true one. A little more attention paid to work details, doing every job in the correct and safe manner without shortcuts, can materially reduce the number of minor injuries in Y-12 and block the pathway leading to a possible disabling accident that could prove crippling to a victim of a serious accident.

Important to Avoid Accidents

Naturally Y-12ers are proud of the honors and individual awards bestowed on the plant and its employees during the past several years for establishing exceptional safety records within the Company ranks and also nationally. However, it is far more important to the individual employee's well-being to avoid disabling accidents than it is merely to accumulate plaques and praise.

Another disconcerting phase of the Safety Department's report on the first quarter of 1954 is the in-

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Atomic Power Topic At Meeting Of ASME

"Atomic Power for Industry" will be the interesting topic of an address to be given before mechanical engineers of Oak Ridge and other eastern Tennessee points tomorrow night, Thursday, April 24. The occasion will be a meeting of the Oak Ridge Sub-section of the East Tennessee Section of the American Society of Chemical Engineers, set for the Starlight Room of the Oak Terrace. A dinner session will begin at 6:30 o'clock, followed by the business meeting at 8 o'clock.

R. B. Briggs, of the Oak Ridge National Laboratory, will be the speaker. He now is engaged in the design of aqueous homogeneous reactors and the general study of the technical and economical feasibility of producing power with reactors of this type. He is chief of the design section of the Reactor Experimental Division of ORNL.

Briggs is a native of Detroit, Mich., and received a degree in chemical engineering from Wayne University in his home town. His association with atomic energy began in 1943 with the duPont Company in problems relating to the design and operation of production reactors at Hanford, Wash. He also assisted in the design and development of the materials testing reactor at Arco, Idaho.

All Y-12 members of the organization are urged to attend the meeting tomorrow night.

UCC Sets 50-Cent Dividend Per Share On Capital Stock

Union Carbide and Carbon Corporation stockholders of record on May 3 will receive a dividend of 50 cents per share, payable on June 1. The UCC Board of Directors recently declared this cash dividend per share on the outstanding capital stock of the Corporation. The last quarterly dividend was 50 cents per share, paid on March 2.

SAFETY SCOREBOARD

Your Plant Has
Operated
59 Days
Without A Lost Time
Accident
Through April 25

The Bulletin

Published Weekly By And For
Y-12 Employees Of
CARBIDE AND CARBON
CHEMICALS COMPANY
A Division Of
Union Carbide And Carbon
Corporation

Post Office Box P
Oak Ridge Tenn.
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Many Interesting Events Are Listed In Month Of May

"You may fire when ready, Gridley," is a well-known statement to our elders. They remember it largely through it being "hammed up" by numerous amateur and professional comedians many years ago. Now, how many of you Y-12ers really can give its origin?

"It was uttered by Admiral George Dewey, the great United States Naval officer as his fleet knocked out the Spanish defenders of Manila Bay on May 1, 1898, to the commander of the gun crew that fired the first of the devastating volleys that sent the Spanish forces reeling.

That is only one of the many interesting events that happened during the month of May. Here are some of the others.

Robert E. Peary, discovered of the North Pole (it was disputed by one Cook for many years) was born in Cresson, Pa., on May 6, 1856.

On May 10, 1869, the first coast-to-coast railroad was completed with the famous "golden spike" driving that linked the Union Pacific and Western Pacific lines.

Another epochal date in May is May 21, 1927, when Col. Charles E. Lindbergh landed his "Spirit of St. Louis" in Paris after the first non-stop airplane flight across the Atlantic Ocean.

An earlier transportation milestone was set up on May 22, 1819, when the sidewheeler "Savannah" made the first steamship crossing of the Atlantic Ocean.

The birthstone of persons born in May is the handsome emerald and the flower of the month is the beautiful and delicate lily of the valley.

Y-12ers Make Good 1954 Safety Start

Continued from Page 1

crease in the number of motor mishaps involving government vehicles this year as compared to last year. With only 26 additional vehicles of various types operating in the first quarter of 1954 over the previous year, the number of mishaps jumped from three to eight. The frequency rate of these accidents in the first quarter of 1954 was 2.01 against .87 for 1953. Damage listed was \$778.79 in 1954 and \$383.53 in 1953. The plant had 182 vehicles operating in 1953 and 208 this year. The increase in percentage was high, frequency being 131 per cent, number of accidents 167 per cent and damage by 103 per cent.

All of this, of course, points to the need of safer driving by all, particularly in the matter of speed—the plant limit is 25 miles per hour—and observing the rules of the road and courtesy.

In off-the-job accidents for the first three months of the two years, a deadlock is recorded with 12 being noted for both 1953 and 1954. In 1953 there were seven automobile accidents and six from other causes. The 1954 figures show six and six. However, one of the 1953 accidents was a traffic fatality.



MEMBERS OF THE CARBIDE WIVES EXECUTIVE COMMITTEE, pictured above, head various groups arranging for the benefit card party to be given by the organization Friday night. In the front row, from left, are Mrs. A. E. Bittner, K-25, general co-chairman; Mrs. L. H. Fuls, Oak Ridge National Laboratory, co-chairman prizes and tallies; Mrs. W. H. White, Y-12, chairman tickets and publicity; Mrs. R. B. Clarke, K-25, general chairman; Mrs. A. C. Sizemore, K-25, chairman prizes and tallies; Mrs. M. L. Angel, Jr., K-25, president of Carbide Wives. Standing are Mrs. N. H. Hurd, K-25, co-chairman tickets and publicity; Mrs. W. B. Tyree, Y-12, co-chairman prizes and tallies; Mrs. Ted Higgins, Y-12, co-chairman food; Mrs. D. M. Cox, chairman food.



So the Rooskies now claim inventing "Visky"—Just wait until they discover hangoveritis and the Mad Muscovites will be screaming about the secret weapon wished on them by the capitalists. Anyhow, there isn't one (hangover) around here so let's get along with the strictly confidential chit-chat about folks.

TECHNICAL DIVISION

Project Design Department led off with news that H. R. Black is papa of a new daughter, born April 11 at the Oak Ridge Hospital—name Cynthia Louise—weight nine pounds, three and one-half ounces—It is the Black's second child . . . M. D. Medved spent last week in Milwaukee, Wis., visiting his parents.

H. C. Hankins and W. C. George, of Mechanical Engineering, cruised about Douglas and Cherokee Lakes last week—fishing, of course . . . The department extends a warm welcome to newcomer E. L. Works.

Process Development tells that G. P. Robinson recently visited his wife in Baltimore—she's in nurses training there . . . Mike Lakkis recently vacationed up in Michigan.

Roy Roberts, of Health Physics, was welcomed back last week after being ill for a week . . . Jerry Lambdin vacated in Florida last week . . . Eddie Long did likewise in Norris and Alabama . . . Gladys Dodson and family week-ended in Nashville . . . Note on those turkey hunters mentioned last week (Eddie Roberts, Sewell Howard, Ralph Wollan and W. T. Martin) they brought three 40-pound birds.

Uranium Analysis reports Ruby Viator and family visited home folks in Kentucky over the week-end . . . Meanwhile, Daisy Ward entertained her mother, Mrs. J. H. Brogan, and brother Howard Brogan during the same time.

Opal Peters and Judy Butler, of Product Assay, were department vacationers last week . . . Dora Whaley went out to Corpus Christi, Tex. last weekend to attend the wedding of her sister.

Technical Division Superintendent George A. Strasser and family, accompanied by Harvey Kite, basked in Ft. Pierce, Fla., sun during vacation time last week.

INDUSTRIAL RELATIONS DIVISION

Mary E. Miller, Medical, is vacationing at home this week . . . Virginia and Bob Slusher, he is in Chemical and Industrial Engineering, spent the weekend at Christiansburg, Va. . . Penny

Keene and her husband, Oliver, Buildings and Grounds, dropped down to Tuscaloosa, Ala., for the weekend.

Wage Standards communicates that Helen Ross and her husband, J. P., of Electrical Maintenance, are back after absorbing a lot of Florida sunshine last week . . . Sara Green is welcomed to the roster.

A dispatch from the boys in blue of the Guard Department reports vacationers are J. D. Mathes, S. L. Ray and F. L. Roberts for this week with R. L. Johnson out for two weeks—destinations unreported.

Ernie Bentley, of Safety, vacationed at his new home in Norris.

MANUFACTURING OFFICE DIVISION

Ruth West, Stores, spent a heck-of-a vacation—had her tonsils removed . . . Helen Claffee went down to Okolona, Miss., for a visit with home folks over the week end . . . Other vacationers were H. J. Hall in Lake City; J. M. Davis, Warren Bass, and O. E. West.

L. D. Nicely was welcomed to Receiving and Shipping last week.

Irene Turner spent a happy Easter week end in Charlottesville, Va. . . C. V. Terry and his wife, Phyllis, vacationed in Houston, Tex. Oh yes, that is the Office Services Department.

The Tool Department warmly welcomed newcomers Burl Henry and Margaret Evans.

Property Sales wig-wags from 'way out Elza Gate way that Ross Eichorn was up in Wisconsin last week.

MECHANICAL OPERATIONS DIVISION

Mechanical Operations has O. N. Shulz vacationing at home at Kingston for two weeks . . . Same time for A. B. Andrews, but at Oliver Springs . . . Belated but nonetheless warm welcomes are extended to M. F. Hazelwood, C. M. Gallaher, R. L. Burrell, J. L. Helms, J. R. McCarter, J. L. Brown and R. T. Goodpasture, who recently have joined the group.

MAINTENANCE DIVISION

Electrical Maintenance has a new hand—Desma Hutcheson, transferred from Wage Standards. (She's going to be married, come Saturday).

Helen Beckner was in Detroit, Mich., last week on vacation from Planning and Estimating . . . Bill Reynolds stuck his golf bags in his hip pocket and took off for Atlanta and Knoxville—likewise

Carbide Wives Benefit Party Set For Friday

A benefit card party will be given by the Carbide Wives at 7:30 o'clock Friday night, April 30, at the Fountain Room of the Ridge Recreation Hall, with proceeds going to the Oak Ridge Cerebral Palsy Center. It is the first function of this kind ever held by the Carbide Wives and officers of the organization predict a large attendance at the party, which will feature bridge and canasta.

Members of the executive board of the Carbide Wives head the various committees arranging the benefit and have been working on plans for the party for the past month. The advance ticket sale has been encouraging, the board members report, and it is hoped a substantial sum can be raised for the Palsy Center.

Several Y-12 wives are members of the executive board and have taken part in assisting in the arrangements. Mrs. W. H. White had headed the ticket and publicity committee as chairman. The food committee in charge of refreshments has Mrs. Ted Higgins as its co-chairman and Mrs. W. B. Tyree as co-chairman of the committee arranging prizes for the party.

The Carbide Wives held their regular monthly meeting April 21 at the Ridge Hall with the decorative scheme being "April Showers." Among the hostesses were Mrs. John Price and Mrs. E. W. Smith, both wives of Y-12ers.

Oak Ridge—for vacationing purposes.

Those fishing folks in Buildings and Grounds—there's schools of them—took off southward for vacations—Dan Zehner went back to his favorite hole at Gulf Shores, Ala. . . Ed Williams chose Daytona Beach, Fla. . . Graham Boggs also went to the Land of the Itching Palm . . . C. F. Keylon decided to spend his vacation at home. Other vacationers include C. L. Nelson and C. H. Goins.

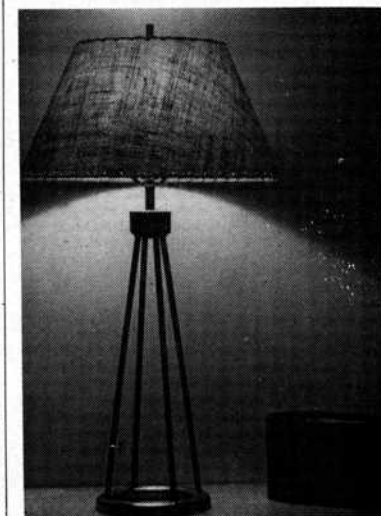
Transportation has J. C. Harmon and R. B. Littleton on vacation.

Research Services extends deepest sympathy to C. R. Johnson, whose father died April 15 . . . Wishes for speedy recoveries go to sick folks J. W. Woody and S. O. Gaddis . . . Vacationers include V. W. Arms, C. W. Lunsford, J. C. Price, J. W. Stinnett, G. S. Wheeler, P. R. Schultz and O. Trull.

ADP Maintenance extends deepest condolences to S. J. Webster, whose mother died recently . . . Speedy recovery wishes also are sent to B. F. Turnbill, Elmer Sharp and R. L. Wolfenbarger, who are on the ailing list . . . Likewise to Melvin Whited's son, who was hurt in an accident April 20 . . . G. L. Edwards is vacationing.

Lots of conversation from Field Maintenance—S. R. Messamore is vacationing at Asheville, N. C., but also plans to take in the Knox County Fox Hunters Convention at Luttrell . . . T. E. Garrison headed for New Orleans on vacation.

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PICTURES BY A CARBIDE employee in the Y-12 plant area and his wife, a former Y-12er, took first and third prizes in the print contest held recently by the Carbide Camera Club.

Fine Pictures Win Camera Club Contest

Artistic and technically excellent photographs won prizes in the April black and white print contest held April 13 by the Carbide Camera Club at club quarters in the Y-12 East Portal building. The top contest prize went to a Carbide employee in the Y-12 plant area, Charles Coleman. His wife, Virginia Coleman, a former Y-12er and club officer, took third honors. Second prize went to Robert Freestone, of Oak Ridge National Laboratory.

The subject matter for the contest was table top and still photography. The first prize picture was of the first category, table top, and showed a cloth dog and frog squaring off under the title "Wanna Fight." The third prize picture was called "Parabola" and was of a lamp with the angles shown bringing out the picture caption.

The next meeting of the Carbide Camera Club will be held on Tuesday, May 12, when a color slide contest will be held on the subject of "Children."

At the meeting April 13 a talk on "Print Toning" was given by Freestone.

Talk On 'Diffusion' Is Set For Metals Society Meeting

A talk on "Diffusion" by Dr. B. H. Alexander, of the Metallurgy Laboratory of the Sylvania Electric Products, Inc., will feature a meeting of the Oak Ridge Chapter of the American Society of Metals at 8 o'clock tonight, Wednesday, April 28. The meeting will be held in the Oak Ridge Knights of Columbus Hall at Jefferson Circle. A dinner will be held at the Oak Terrace at 6:30 p.m., preceding the meeting.

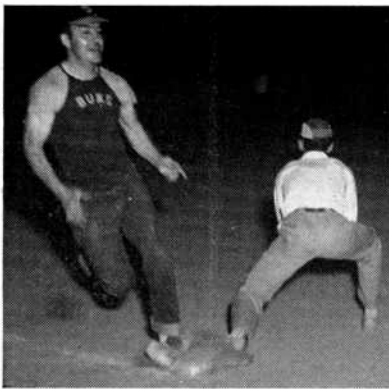
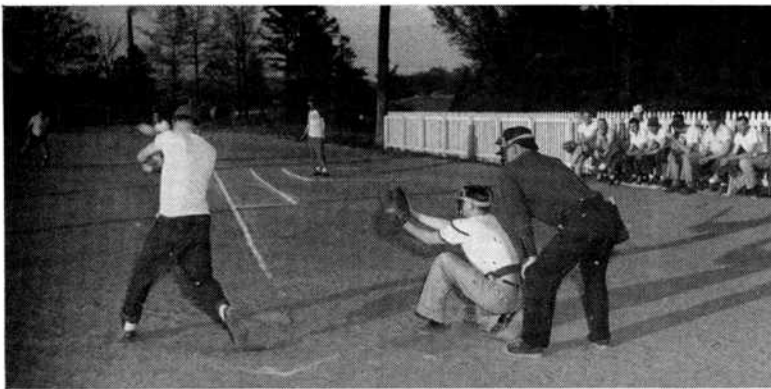
Dr. Alexander, a former assistant professor of metallurgical engineering at the Carnegie Institute of Technology, Pittsburgh, Pa., is an authority on diffusion in the solid state. He will give a review of the fundamentals and practical aspects of diffusion in his talk.

In 1953, 2,140,000 Americans were injured in traffic accidents.



The following Y-12 employees were patients in the Oak Ridge Hospital last week:

Elmer E. Green, Buildings and Grounds; Ralph F. Graham, Maintenance Shops; Howard J. Finger, D. B. Blackburn and Charles B. Davis, Field Maintenance; W. L. Simmons, Project Construction; A. F. Kendig, Transportation; W. F. Cameron and R. A. Bates, Jr., Chemical; Larue L. Matties, Production Inspection; E. Sharp, ADP Maintenance.



ACTION STARTED OUT FAST AND FURIOUS IN THE Y-12 PLANT SOFTBALL LEAGUE last week. At left Al Wright, Bldg. 9212, pokes a hit through the infield as R. Wolfe, Engineer catcher waits vainly for the ball in front of Umpire Bucky Walters. The first base coach is Bill Wright, Bldg. 9212. Baserunner C. Smith, 49ers; and First Baseman Joe Hart, Steamers; are shown in a close play in the center picture. At right Dick Loveless, 49ers, slides safely into third base when K. Wright, Steamers, is drawn from the base by a wild throw.

Class B, Slo Pitch Teams Are Entered

Kendig, Anderson Are Named Managers

Y-12 again will be represented in the Oak Ridge Class B softball circuit, the Recreation League, and also in the Oak Ridge "Slo Pitch" League.

The plant entry in the Recreation League, the Woodpeckers, will have Avery Kendig, of the Transportation Department, at the helm again. Under his guidance the Woodpeckers have pecked their way to titles during the past two straight years and the team will be out to repeat again this season.

W. C. "Andy" Anderson, of Receiving and Shipping and a veteran of the Y-12 Slo Pitch athletes, will manage the Y-12 Orioles in that circuit this season.

The Recreation League will be divided into two divisions, one with eight teams and the other with six. The Woodpeckers are in the eight-team group with the AEC, Elks, First Baptist Church, Vagabonds, Lions, Lovemans and Management Services. This division will play every Thursday night at Midtown Field No. 1. The six-team division also will play on Thursdays at Midtown No. 2.

The Slo Pitch League also will have an eight-team and a six-team division. Play in this circuit will be held every Wednesday night.

All plant softballers except those on the varsity Cardinal team are eligible to try out for the Woodpeckers and Orioles and candidates are urged to communicate as soon as possible with Manager Kendig, telephone 7539; and Manager Anderson, telephone 7691; or the Recreation Office, Bldg. 9704-1, telephone 7753.

The Woodpeckers will hold their first practice session at 7:30 o'clock tomorrow night, Thursday, April 29, at Midtown Field No. 2. The Orioles will hold their first drill at 7 o'clock tonight, Wednesday, April 28, at Midtown No. 1. Kendig's team will drill again at 6 p.m. Thursday, May 6. The Orioles will practice again at 6 p.m. Wednesday, May 5.

Plant Golf Meet Is Set For May 8

The annual Y-12 Plant Golf Tournament will be held on Saturday, May 8, at the Oak Ridge Golf and Country Club. Play will be on medal scores with existing handicaps in the Y-12 Golf League on the tournament date applying in the event. However, golfers do not have to be members of any league team to participate. Entries may be made at the Recreation Office, Bldg. 9704-2, telephone 7753. The tournament originally was set for May 1, but postponed until May 8 to allow more time for plant golfers to enter the event.



THE 49ERS, Y-12 SOFTBALL LEAGUE TOURNAMENT champions of last year and back to defend their laurels are shown above. Inside the ball park, from left, are M. L. Crawford, Lewis Fitzgerald, Tally Livingston, Ed Sise, Harley Law (co-managers), and Sewell Brown. On the outside looking in are Bill Dodson, Dick Loveless, Clyde Smith, Charles Myers, Lonnie Beach and Charles Murrin. Squad members absent when picture was made were Ridings, Teno, Miller, Ware and Crutchfield.

Five-Week Fishing Rodeo For Y-12 Anglers Opens With War On Finny Tribe Saturday

Y-12 anglers and members of their families devoted to the sport made famous by Isaac Walton are poised for the second big Y-12 Fishing Rodeo scheduled to get underway at midnight on Saturday of this week, May 1. This rodeo will last for five long weeks during which the finny tribe in this vicinity are warned to expect great depletion in their immediate families and extending even to distant relatives.

Whitewash Wins Mark B Pin Loop

Whitewash victories were turned in by the Rippers over Bldg. 9211, Tigers over the Cubs and Strikers over the Wasps in the B League of plant keglers last week. The All Stars whipped the Rebels and the Wolves downed the Swingsters, each by three. The league-leading Bumpers will match scores with the Has Beens at a later date.

Bruce Whitaker, All Stars, had the best single game scores, a 205 scratch, boosted to 232 with handicap. Joe Dunlap topped the series scorers with 556 and 643. The All Stars had team scratch scoring honors with a 994 game and 2430 series. The Swingsters' 994 handicap game was tops for the night as was the 2852 handicap series of the Wolves.

League standing follows:

| Team | W | L |
|------------|-----|-----|
| Bumpers | 24 | 4 |
| Tigers | 20 | 12 |
| Rebels | 19 | 13 |
| Rippers | 18½ | 13½ |
| Has Beens | 17 | 11 |
| All Stars | 17 | 15 |
| Cubs | 15 | 17 |
| Wolves | 15 | 17 |
| Bldg. 9211 | 13 | 19 |
| Strikers | 12 | 20 |
| Wasps | 11 | 21 |
| Swingsters | 6½ | 25½ |

Hot Wires Capture Title In C League

The Hot Wires turned on the heat in their playoff series for the C League championship last week and blasted the Rusty Five for three points, taking two out of three games and total pinnage. The Hot Wires, winners of the first half of the season, posted scratch game scores of 732, 741, 791-2264 to 691, 576, 772-2039

for the Rusty Five, titlists in the second half.

Individual scratch scoring for the winners was Nix 479, Tiller 462, Sprouse 374, Smith (two games) 266, Sikes (two games) 283, and White (two games) 300. The best scratch game of the night was a 188 by Clyde Bowles, of the Rusty Five. His series score was 483 to top his team and he was followed by Ratjen 418, Hays 401, Mitchel 398 and Hemphill 339.

UCJV, Maintenance Deadlocked For Top In Plant League After Hectic Openers

High Scoring Marks First Week Of Loop Play As Batters Have Field Day Off Hurlers

After as hectic an opening week as the Y-12 Plant Softball League has experienced in its years of operations the defending loop champions, Uranium Control Junior Varsity, found itself tied with Maintenance with two wins each and no losses. From Monday through Thursday, the weather man being on the helpful side, the lusty plant softballers just about wore out home plate at Pinewood Park and made the lives of the pitchers miserable. In not a single game did the winner fail to score in double figures.

The Bldg. 9212 sluggers, in their lone outing of the week, took scoring honors by tallying a 37 to 12 win over the Engineers. ADP pounded the platter 27 times against the Steamers in a game mercifully called after three rounds.

Despite the splurge of runs, only four homers were plunked over Pinewood's panels. J. Jones, of Maintenance, got a pair against

the Engineers. B. Belvin, a UCJV stalwart, socked one against the Bombers and the Engineer's Ward banked one against Bldg. 9212.

The circuit got away to a fine start in the closest tussle of the week when the championship UCJV outfit showed their mettle by coming from behind in the seventh inning to score a rousing 14 to 13 victory over the 49ers, their chief rivals last year and also 1953 tournament titlists. The UCJVs also had to come from behind to wallop the Bombers by 16 to 13 in another close scrap. The rest of the games were one-sided.

The line scores of games and standing of the teams at the end of the first week of play follow:

| Team | R | H | E |
|------------------------------------|-----|-----|-----------|
| 49ers | 200 | 109 | 1-13 17 4 |
| UCJV | 200 | 314 | 4-14 15 5 |
| Sise and Dodson. Kees and Hopkins. | | | |

| | | | | | |
|--------------------------------------|-----|----|----|----|---|
| Engineers | 333 | 00 | 9 | 9 | 8 |
| Maintenance | 486 | 61 | 25 | 15 | 4 |
| Choat and Goosie. Jones and Everett. | | | | | |

| | | | | | | |
|---------------------------------------|----|---|----|----|---|---|
| ADP | 13 | 2 | 12 | 27 | 8 | 1 |
| Steamers | 0 | 0 | 1 | 1 | 2 | 8 |
| Dillingham and Hale. Hart and Ballaw. | | | | | | |

| | | | | | |
|---------------------------------------|-----|----|----|----|---|
| Bombers | 070 | 24 | 13 | 13 | 3 |
| UCJV | 232 | 27 | 16 | 13 | 7 |
| Ramsey and Shotts. Hamil and Hopkins. | | | | | |

| | | | | | | |
|-----------------------------------|-----|---|----|----|----|---|
| Bldg. 9212 | 954 | 6 | 13 | 37 | 28 | 6 |
| Engineers | 402 | 5 | 1 | 12 | 9 | 6 |
| Bass and Moses. Landry and Wolfe. | | | | | | |

| | | | | | |
|--|-----|----|----|----|---|
| Steamers | 012 | 00 | 3 | 5 | 5 |
| 49ers | 446 | 5x | 19 | 15 | 4 |
| Spradlin and Ballaw. Law and Lovelace. | | | | | |

| | | | | | |
|---|-----|----|----|----|---|
| Bombers | 034 | 75 | 19 | 16 | 2 |
| Steamers | 010 | 00 | 1 | 6 | 7 |
| Hatmaker and Castleberry. Spradlin and Simmons. | | | | | |

| | | | | | |
|--|-----|-----|----|----|---|
| Maintenance | 651 | 333 | 21 | 17 | 2 |
| ADP | 141 | 110 | 8 | 9 | 9 |
| Jones and Ballaw. Dillingham, Siddon (5) and Hale. | | | | | |

| Team | W | L |
|-------------|---|---|
| UCJV | 2 | 0 |
| Maintenance | 2 | 0 |
| Bldg. 9212 | 1 | 0 |
| 49ers | 1 | 1 |
| Bombers | 1 | 1 |
| ADP | 1 | 1 |
| Engineers | 0 | 2 |
| Steamers | 0 | 3 |
| Guards | 0 | 0 |

Orphans Cop Crown In D Bowling Loop

After getting away to a slow start, the Orphans took the play-off championship of the D League of plant keglers last week by trouncing the Sooners for three points. The Orphans, first half champions, dropped the first game by 837 to 790, scratch scoring, but rallied to trim their opponents 851 to 679 and 885 to 654 with total scores being 2526 to 2170. The Sooners had captured second half honors.

Williams and Schierbaum battled it out for individual scoring honors, the former having a 556 series to 555 for the latter. Williams had a 25 handicap to 26 for Schierbaum so the two finished in a deadlocked 581 with handicap. Other Orphan scoring was Smith 488, Galloway 485 and Riddle 442. Wallace, of the Sooners, had the best scratch game of the night with 199 but faded to 481. He was followed by Clabough 449, Patterson 445, Chilcoat 400 and Davis 395.

'Big' Game By MSI Gains Tie With Y-12

A "big" second game gave the Management Service bowlers an even split with the Y-12 varsity keglers last week although the Y-12ers captured the first and last games of the match. Y-12 took the first game by the narrow margin of three pins, 812 to 809, but the MSI lads smothered our side 873 to 827 in the second chapter. The Y-12ers rallied to snatch the last game by 840 to 812 but the damage was done as the MSIs had a total pinnage of 2492 to 2479 for the cardinal and white.

Len Hart, Carbide's championship bowler, led the Y-12ers with 185, 170, 193-548. Trailing him were V. Williams 184, 155, 168-507; George Schierbaum 168, 161, 154-483; Frank Gragg 125, 186, 166-477; and C. Smith 150, 155, 159-464.

Keglerettes Defeat ORNL Alley Lassies

The Y-12 women's varsity bowling team took a three-point victory from the Oak Ridge National Laboratory lassies last week in the Oak Ridge City League to hold their lead of seven points in the loop race. The league has only two more nights of activity in the season.

Juanita Reed led the Y-12ers to their win last week with a fine 532 series, consisting of games of 199, 171 and 162. Close behind was Doris Walton with 179, 162, 172-513. Then came Mavis Koons 126, 125, 167-418; Betty Whitehorn 132, 126, 143-401; and Dot Park 124, 128, 146-398.

The Y-12ers game totals were 760, 712, 790-2262; to 743, 663, 795-2201 for the Labsters. The Y-12 team rolls against Bailey Motors this week and possibly could clinch the league title with a victory.

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Decreased Prices On UCC Products, Drop In Sales Of Alloys Result In Reduction Of 1954 First Quarter Corporation Income

Decreased prices on a number of products and a drop in sales in the alloys group resulted in a 15 per cent reduction in sales by Union Carbide and Carbon Corporation for the first quarter of 1954 as compared to those of the same period last year, Morse G. Dial, UCC President, told a recent meeting of Corporation stockholders. The 1954 first-quarter sales amounted to \$220,990,171 as compared to \$260,696,104 in 1953.

Mr. Dial said that sales in the alloys group were about 30 per cent below a year ago because of the decreased level of operations in the steel industry. He added that sales of the other product groups were about eight per cent below the same period a year ago. The physical volume of sales of these groups was off by less than eight per cent, but decreases in prices of a number of products brought the total drop to about

eight per cent in dollars.

Net income for the first quarter also showed a decrease from a year ago and amounted to \$21,443,770, equal to \$.74 per share. This compares with net income of \$25,695,100, or \$.89 per share for the first quarter of 1953. Mr. Dial pointed out that income before depreciation and taxes amounted to 29 per cent of sales during the first quarter this year, approximately the same as for the year 1953. However, the charge for depreciation and amortization increased from \$17,029,063 a year ago to \$22,903,999, which further contributed to the decline.

Mr. Dial stated that 1954 construction expenditures will be something over \$120,000,000 compared with \$160,000,000 in 1953. He said that many of the plants that the Corporation has been building for several years were completed during 1953. The Corporation will continue its construction program this year, including work on several projects now under way.

Scope of Operations Described

In reviewing the scope of last year's operations, Mr. Dial pointed out that Union Carbide shipped more than a billion dollars' worth of products to some 50,000 customers. In physical volume, this meant that if all these products were loaded into box cars, the train would stretch over 2,000 miles, or about 2/3 of the distance between New York and San Francisco.

During the 10-year period from 1943 to 1953, Mr. Dial said, the Corporation more than doubled its sales, and only a small part of the increase was attributed to higher prices received for goods. New products that were not available 10 years ago accounted for about 25 per cent of the increased volume of sales.

Twenty New Chemicals in 1953

Last year, Carbide shipped 20 new chemicals in commercial quantities for the first time, Mr. Dial said. Also, the Corporation is now constructing a large plant to expand its production of silicones, a completely new family of products that are considered to have large and interesting possibilities. Mr. Dial commented that most of the silicones Union Carbide is developing are of a different type from those produced by other manufacturers, and are going into entirely different end uses.

Another product that is just beginning to make its contribution to sales is a new type of very low-carbon ferrochrome produced for the steel industry.

One of the substantial items in the cost figures that Mr. Dial discussed was the amount spent for research activities, which have been greatly expanded in the past 10 years. In 1953, Union Carbide spent about \$34,000,000 for experimental and development research. This represents about 3 1/4 cents for each dollar of sales, Mr. Dial said. Ten years ago, research expenditures amounted to \$8,000,000, or about 1-6/10 cents for each dollar of sales.



ONE OF THE MANY ACTIVITIES OF CLEAN-UP WEEK IN Y-12 was the removal of some unsightly shacks. One, above, formerly housed alcohol containers that now are cared for in much more modern and safe quarters. So the old hutment was hauled away



and burned. In the picture at right the Buildings and Grounds crew handling disposal of the building are, from left, Carl Manis, Foreman Jim Raines, S. L. Bryant, C. E. Jenkins and C. H. Laughlin. Crane Operator W. E. Pierce is behind the building.

Cards, Canton Clash May 4 As Feature Of Benefit Twin Bill At Midtown Park

With the winter kinks ironed out, the Carbide Y-12 Cardinals and Robins are tapering off in their spring training in preparation for a long season as the plant's representatives on the softball diamonds this summer. With the first "play ball" call set for just a little more than a week away, both squads are rapidly rounding into shape and are planning more workouts to be in tip-top condition when the first ball is pitched.

The Cardinals will formally open their 1954 schedule against one of the toughest foes in the South, the Canton, N. C. Champions. The Card-Canton clash will be the featured game of a double-header at Midtown Field No. 1 in Oak Ridge on Saturday, May 8, for the benefit of the Oak Ridge Cancer Society. The opening attraction, starting at 7 p.m., will pit K-25 and Oak Ridge National Laboratory softies, with the main event starting at 8 o'clock.

The Y-12 men will open their Knox-Ridge season on Monday, May 10. The Robins are expected to get underway in the women's division of the same league about the same time. League headquarters has not yet announced the official loop schedule.

Practice schedules for the Cardinals for the next few days at Midtown Park follow:

Friday, April 30, 6 p.m.
Tuesday, May 4, 6 p.m.
The Robins also will workout at 6 o'clock Friday afternoon, April 30 and probably hold more drills next week.

Three out of four traffic accidents involve passenger cars.



YOU CAN LEARN ABOUT SAFETY HERE AND THERE
YOU CAN PRACTICE SAFETY EVERYWHERE
THERE ARE SOME RULES, BUT VERY FEW
IT'S MOSTLY UP TO YOU AND YOU.
MAC AND DAD

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service during the coming week—

Margaret E. Wilson, Uranium Control, May 1.

Ted R. Smith, Guard, May 1.

Walter F. Cameron, Chemical, May 1.

Billie L. Ferrell, Uranium Processing, May 1.

Cecil G. Hubbard, Field Maintenance, May 1.

Lester R. Crawford, Uranium Processing, May 1.

John S. Reece, Uranium Processing, May 1.

Russell Hopper, Maintenance Shops, May 3.

Ellis W. Mynatt, Field Maintenance, May 3.

Paul C. Pennington, Product Processing, May 5.

Wallace R. Proffitt, Guard, May 5.

AEC Lifts Secret Label From Engineering Subjects

The Atomic Energy Commission has taken the secret label off 75 engineering subjects in preparation for exchange of atomic "know-how" data with foreign engineers, according to a special article in the New York Herald Tribune. The story declares that Alberto Thompson, chief of technical information services, reports that the AEC has declassified such subjects as metal properties of plutonium and uranium and many details about atomic furnaces. The declassification procedures are being carried out by James C. Beckerly, AEC declassification chief, the Herald Tribune says, and technical details of processes will be revealed to foreign experts at a conference sponsored by the American Institute of Chemical Engineers at the University of Michigan in June.



Continued from Page 2

tion. C. Sharp hit out in the other direction—Cincinnati to visit a sister and maybe do some fishing... W. K. Anent stuck to his rocking chair over at his Byington home... T. D. Pace found the Smoky Mountains interesting... L. E. Selvidge found home at Lenoir City likewise (particularly after recently being ill)... W. L. Nelson combined farming and fishing at Wartburg... W. J. Wanamaker dropped up to St. Louis, Mo., and Alton, Ill... Newcomers W. D. Dees and M. A. Pitts were warmly welcomed last week... Sick folks returning for welcomes were H. J. Finger and T. L. Stevenson... Some sadness settled over the department last week when it was learned that three employees had lost close relatives by death... They were J. D. Helton, whose brother died in Clinton, Okla.—also T. E. Kambo who also lost a brother—and J. B. Johnson, whose father was claimed by death. Sincere sympathy goes out to all of their family members.

Seems as how one of The Bulletin's most prolific correspondents—Paul Ziemke, of Safety—has a slick pair of scissors. He passes this one along from Engineering News.

Definition of an Expert—Lest anyone feel exalted on being termed an "expert" in his field, the following explanation is offered: The word is defined as a combination of two concepts—X for Unknown Quantity and Spurt, a drip under pressure—X-Spurt. Hola—that's enough.

Rippers Gain Lead In Y-12 Golf League

The Rippers backed into first place in the Y-12 Plant Golf League last week by remaining idle and sitting tight on their undefeated mark of four points won and none lost while the rest of the loop was considerably shuffled as the results of matches staged during the week ending last Wednesday, April 21. The Eagles also kept a perfect two and none mark with a postponement, being tied with the Gophers.

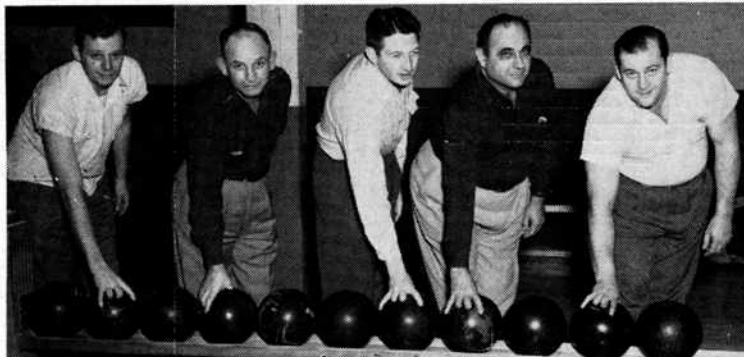
Matches reported during the week of play beginning April 14 saw the Rough Riders take the Chippers for a pair, the Hooks turning the same trick on the ADPs, Fat Boys trim the Bogies for two, the Crooks club the Clubbers for two and the Gophers bury the Dubbers by the same margin. The Plugs had a bye for the week.

Art Hines, of the Gophers, had the best score of the week with a 35. Next in line were Dave Berrier, ADP, 39; Bill Bauman, Rippers, 40; Jake Burchfield, Gophers, 41; and C. Harrell, Hooks, 41.

League standing follows:

| Team | W | L |
|----------------|---|---|
| Rippers | 4 | 0 |
| Gophers | 2 | 0 |
| Eagles | 2 | 0 |
| Fat Boys | 4 | 2 |
| Crooks | 4 | 2 |
| ADP | 4 | 2 |
| Plugs | 2 | 2 |
| Hooks | 2 | 4 |
| Chippers | 2 | 4 |
| Bogies | 0 | 4 |
| Dubbers | 0 | 6 |
| Grand Slammers | 0 | 0 |

a drip under pressure—X-Spurt.
Hola—that's enough.



THE SWINGSTERS BOWLING TEAM OF THE B LEAGUE of plant keglers have been swinging along at the tag end of the loop for most of the season, but the pin smashers have been having a big time and giving some of the higher ranked teams plenty of trouble on occasions. From left are Otis Rackley, Archie Hooker, Herb Gwinn, J. B. Strickland and Tom Keith.

Rides Wanted, Offered

Ride Wanted—From Cherokee Hills, Kingston, Tenn., to North Portal, straight day. J. T. Parker, plant telephone 7262.

Ride Wanted—From 160 Hamilton Circle, Oak Ridge, to Central Parking Lot, straight day. Hillis Ross, plant telephone 7113, home telephone 5-3189, Knoxville.

Two Riders Wanted—From Kingston, straight day. D. R. Cuneo, plant telephone 7701, home telephone 4262, Kingston.

Remember—Only you can
PREVENT FOREST FIRES!